

ABSTRACT OF THE DISCLOSURE

A scanning laser microscope includes a laser generation unit which generates a laser beam, a light modulation unit which modulates the laser beam, a scanning unit which scans a sample, a light receiving unit which receives a light from the sample, a control unit which controls the light modulation unit for each pixel of a scanning image acquired by the light receiving of the light receiving unit, and a storage unit which stores a plurality of controlled patterns. The number of pixels of the patterns correspond to the number of pixels of the scanned image. A modulation information of the laser beam is set for each pixel. The control unit reads the control patterns stored in the storage unit, controls the light modulation unit based on the modulation information of each pixel, and performs such control that the control patterns are changed at an arbitrary timing.